

result from limiting the ground water target concentration to the MCL if the calculated target concentration would be less than the MCL.

Table F-1. Background indoor air concentrations for selected volatile organic compounds. All concentrations expressed in ug/m<sup>3</sup>.

Compound	Shah and Singh (1988)	Samfield (1992)	Brown et al. (1994)	NOPES (1990)	Sheldon (1992)	MADEP (September 1998)	EPA IAQ Reference Manual (July 1991)	Foster et al. (2002)
1,1,1-Trichloroethane	271.4	-	-	-	-	30	70	0.7
1,1,2,2-Tetrachloroethane	0.098	-	-	-	-	0.01	-	-
1,1,2-Trichloroethane	-	-	-	-	-	-	-	RL (0.064)
1,1-Dichloroethylene	-	-	-	-	-	6.5	-	RL (0.08)
1,2-Dichloroethane	-	-	-	-	-	-	-	0.07
Acetaldehyde	-	9.6	-	-	-	-	-	-
Acetone	19.3	-	-	-	-	6	-	-
Benzene	16.8	8.2	8.0	-	2.2	21	14	4.08
Carbon Tetrachloride	2.6	12.0	-	-	0.5	1	5	-
Chlordane	-	2.8	-	0.18	-	-	-	-
Chlorobenzene	-	-	-	-	-	10	-	-
Chloroform	4.1	8.0	10.0	-	-	3	6	2.1
Cumene	0.2	5.1	-	-	-	-	-	-
DDE	-	-	-	0.001	-	-	-	-
Dichlorobenzenes	-	31.0	8.0	-	1.0	0.5	58	-
Ethylbenzene	12.7	13.8	5.0	-	-	10	14	-
Heptachlor	-	0.7	-	0.07	-	-	-	-
Hexachlorobenzene	-	0.0	-	0.0004	-	-	-	-
Hexane	-	33.0	12.0	-	-	-	-	-
Methoxychlor	-	-	-	0.0002	-	-	-	-
Methylene Chloride	-	342.0	17.0	-	15.0	10	-	0.98
Methylethylketone (2-butanone)	9.2	7.0	4.0	-	-	42	-	-
Methylisobutylketone (4-methyl-2-pentanone)	-	-	-	-	-	2	-	-
Naphthalene	-	11.0	-	-	-	-	-	-
Styrene	-	1.8	-	-	1.0	5	6	-
Tetrachloroethylene	21.1	9.5	7.0	-	0.3	11	28	1.62
Toluene	28.3	56.0	37.0	-	-	29	61	-
Trichlorobenzenes	0.5	-	-	-	-	-	-	-
Trichloroethylene	7.4	-	-	-	-	5	9	0.15
Vinyl chloride	-	-	-	-	-	-	-	0.01
Xylenes	-	25.0	24.0	-	6.0	3	14	-

Shah and Singh (1988): *ES&T*, VI. 22, No.12, pp. 1381-1388, 1988

Samfield (1992): *EPA-600-R-92-025*, 1992.

Brown et al. (1994): *Indoor Air*, 4:123-134, 1994.

NOPES (1990): *EPA/600/3-90/003*, January 1990.

Sheldon (1992): *California Air Resources Board, Final Report*, January 1992.

MADEP (September 1998): *From: Background Documentation for the Development of MCP Numerical Stds" April 1994, Table 4.2, except 1,1-dichloroethene (EPA TEAM study) and methylene chloride (Stolwijk, JAJ, 1990)*

EPA IAQ Reference Manual (July 1991): *Results from Wallace (1987), except toluene: Seifert & Abraham (1982).*

Foster et al., (2002): *Foster, S.J, J.P. Kurtz, and A.K. Woodland, Background indoor air risks at selected residences in Denver, Colorado, 2002.*